BenoÃ®t Heinrich

List of Publications by Year
in descending order

217	6,522	76294	102432
papers	citations	40 h-index	66 g-index

229	229	229	6727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Supramolecular Liquid Crystals. Self-Assembly of a Trimeric Supramolecular Disk and Its Self-Organization into a Columnar Discotic Mesophase. Journal of the American Chemical Society, 1998, 120, 9526-9532.	6.6	251
2	Non-volatile organic memory with sub-millimetre bending radius. Nature Communications, 2014, 5, 3583.	5.8	196
3	Triplet management for efficient perovskite light-emitting diodes. Nature Photonics, 2020, 14, 70-75.	15.6	190
4	Mesomorphic Organization and Thermochromic Luminescence of Dicyanodistyrylbenzeneâ€Based Phasmidic Molecular Disks: Uniaxially Aligned Hexagonal Columnar Liquid Crystals at Room Temperature with Enhanced Fluorescence Emission and Semiconductivity. Advanced Functional Materials, 2012, 22, 61-69.	7.8	159
5	Selfâ€Assembly and Shape Morphology of Liquid Crystalline Gold Metamaterials. Advanced Functional Materials, 2011, 21, 1260-1278.	7.8	155
6	Elongated Aggregates Formed by Cationic Gemini Surfactants. Langmuir, 1999, 15, 2384-2390.	1.6	148
7	A Generalized Model for the Molecular Arrangement in the Columnar Mesophases of Polycatenar Mesogens. Crystal and Molecular Structure of Two Hexacatenar Mesogens. Journal of the American Chemical Society, 2004, 126, 15258-15268.	6.6	148
8	Fullerene-containing liquid-crystalline dendrimers. Journal of Materials Chemistry, 2001, 11, 2814-2831.	6.7	124
9	Dendromesogens: Liquid Crystal Organizations of Poly(amidoamine) Dendrimers versus Starburst Structures. Chemistry - A European Journal, 2001, 7, 1006-1013.	1.7	123
10	A robust zirconium N-heterocyclic carbene complex for the living and highly stereoselective ring-opening polymerization of rac-lactide. Chemical Communications, 2012, 48, 2213.	2.2	117
11	Design of High Coordination Number Metallomesogens by Decoupling of the Complex-Forming and Mesogenic Groups:â€‰ Nematic and Lamello-Columnar Mesophases. Chemistry of Materials, 2005, 17, 6589-6598.	3.2	113
12	The Synthesis, Mesomorphism, and Characterization by X-ray Diffraction and Freeze-Fracture Electron Microscopy of Polycatenar Liquid Crystals of Silver(I) Showing Columnar and Cubic Mesophases. Chemistry of Materials, 1997, 9, 2951-2965.	3.2	109
13	Synthesis, structure and properties of fully biobased thermoplastic polyurethanes, obtained from a diisocyanate based on modified dimer fatty acids, and different renewable diols. European Polymer Journal, 2014, 61, 197-205.	2.6	108
14	High Carrier Mobility of Organic Field-Effect Transistors with a Thiopheneâ€“Naphthalene Mesomorphic Semiconductor. Advanced Materials, 2007, 19, 1864-1868.	11.1	98
15	A Liquid Crystalline Supramolecular Complex of C60 with a Cyclotriveratrylene Derivative. Chemistry - A European Journal, 2000, 6, 3501-3507.	1.7	96
16	A Mixed Fullereneâ€“Ferrocene Thermotropic Liquid Crystal: Synthesis, Liquid-Crystalline Properties, Supramolecular Organization and Photoinduced Electron Transfer. Chemistry - A European Journal, 2001, 7, 2595-2604.	1.7	91
17	Supramolecular Self-Organization of â€œJanus-likeâ€•Diblock Codendrimers: Synthesis, Thermal Behavior, and Phase Structure Modeling. Chemistry - A European Journal, 2006, 12, 8396-8413.	1.7	85
18	Mesomorphic Imidazolium Salts: New Vectors for Efficient siRNA Transfection. Journal of the American Chemical Society, 2009, 131, 13338-13346.	6.6	84

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19	Peripherally Fused Porphyrins via the Scholl Reaction: Synthesis, Self-Assembly, and Mesomorphism. Journal of the American Chemical Society, 2012, 134, 4822-4833.	6.6	81
20	Synthesis of Amphiphilic Fullerene Derivatives and Their Incorporation inLangmuir andLangmuir-Blodgett Films. Helvetica Chimica Acta, 2002, 85, 288-319.	1.0	72
21	N-channel field-effect transistors with an organic-inorganic layered perovskite semiconductor. Applied Physics Letters, 2016, 109, .	1.5	68
22	Investigations of Thin Films with Amphiphilic Dendrimers Bearing Peripheral Fullerene Subunits. Angewandte Chemie - International Edition, 2000, 39, 201-204.	7.2	67
23	Fluorenone core donorâ€“acceptorâ€“donor Ï€-conjugated molecules end-capped with dendritic oligo(thiophene)s: synthesis, liquid crystalline behaviour, and photovoltaic applications. Journal of Materials Chemistry, 2011, 21, 5238.	6.7	67
24	Highly Segregated Lamelloâ€Columnar Mesophase Organizations and Fast Charge Carrier Mobility in New Discotic Donorâ€“Acceptor Triads. Chemistry - A European Journal, 2015, 21, 10379-10390.	1.7	64
25	Lamello-Columnar Mesophase Formation in a Side-Chain Liquid Crystal Ï€-Conjugated Polymer Architecture. Chemistry of Materials, 2011, 23, 4653-4656.	3.2	59
26	Supramolecular Self-Assembly and Radical Kinetics in Conducting Self-Replicating Nanowires. ACS Nano, 2014, 8, 10111-10124.	7.3	55
27	Perylenediimide-Based Donorâ€“Acceptor Dyads and Triads: Impact of Molecular Architecture on Self-Assembling Properties. Journal of the American Chemical Society, 2014, 136, 5981-5992.	6.6	54
28	Engineering Onâ€Surface Spin Crossover: Spinâ€State Switching in a Selfâ€Assembled Film of Vacuumâ€Sublimable Functional Molecule. Advanced Materials, 2018, 30, 1705416.	11.1	54
29	Ultra-narrow optical linewidths in rare-earth molecular crystals. Nature, 2022, 603, 241-246.	13.7	54
30	Dendronized Polymers with Peripheral Oligo(ethylene oxide) Chains: Thermoresponsive Behavior and Shape Anisotropy in Solution. Macromolecules, 2011, 44, 8925-8935.	2.2	53
31	A novel calamitic mesophase semiconductor with the fastest mobility of charged carriers: 1,4-di(5â€²-octyl-2â€²-thienyl)benzene. Chemical Communications, 2005, , 5337.	2.2	48
32	Photophysical, amplified spontaneous emission and charge transport properties of oligofluorene derivatives in thin films. Physical Chemistry Chemical Physics, 2014, 16, 16941-16956.	1.3	48
33	Rational Engineering of BODIPYâ€Bridged Trisindole Derivatives for Solar Cell Applications. ChemSusChem, 2017, 10, 1878-1882.	3.6	47
34	Novel metallomesogens: first synthesis and investigation of large macroheterocyclic tetraplatinum organyls. Journal of Materials Chemistry, 1995, 5, 2257.	6.7	45
35	Amphiphilic cyclic fullerene bisadducts: Synthesis and Langmuir films at the air-water interface. Tetrahedron Letters, 1998, 39, 5747-5750.	0.7	45
36	Designing Supramolecular Liquid-Crystalline Hybrids from Pyrenyl-Containing Dendrimers and Arene Ruthenium Metallacycles. Journal of the American Chemical Society, 2014, 136, 17616-17625.	6.6	45

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37	Thiazole-based scaffolding for high performance solar cells. Journal of Materials Chemistry C, 2016, 4, 4296-4303.	2.7	45
38	High One-Dimensional Charge Mobility in Semiconducting Columnar Mesophases of Isocyano-Triphenylene Metal Complexes. Chemistry of Materials, 2017, 29, 7587-7595.	3.2	44
39	A nematic [60]fullerene supermolecule: when polyaddition leads to supramolecular self-organization at room temperature. Journal of Materials Chemistry, 2007, 17, 2199.	6.7	43
40	Renewable and Responsive Cross-Linked Systems Based on Polyurethane Backbones from Clickable Biobased Bismaleimide Architecture. Macromolecules, 2020, 53, 5869-5880.	2.2	42
41	Liquid-crystalline mixed [60]fullereneâ€“ferrocene materials. Chemical Communications, 1998, , 537-538.	2.2	41
42	On the nematic-nematic phase transition in mixtures composed of sheet-shaped palladium organyls and apolar organic solvents. Liquid Crystals, 1996, 20, 731-739.	0.9	40
43	Thermotropic Lamellar-to-Columnar Phase Transition Exhibited by a Biforked Compound. Molecular Crystals and Liquid Crystals, 1998, 317, 51-64.	0.3	40
44	The synthesis and mesomorphism of a new series of silver(I) complexes showing glassy mesophases. Liquid Crystals, 1995, 19, 537-539.	0.9	39
45	Puckering Stick-Slip Friction Induced by a Sliding Nanoscale Contact. Physical Review Letters, 2013, 111, 084301.	2.9	38
46	Intertwined Lamello-Columnar Coassemblies in Liquid-Crystalline Side-Chain Î-Conjugated Polymers: Toward a New Class of Nanostructured Supramolecular Organic Semiconductors. Macromolecules, 2014, 47, 1715-1731.	2.2	38
47	Structural study of smectic A phases in homologous series ofN-alkylpyridinium alkylsulphates. Liquid Crystals, 2000, 27, 1625-1631.	0.9	37
48	Electron-Deficient Dihydroindaceno-Dithiophene Regioisomers for n-Type Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 8219-8232.	4.0	37
49	Magnetic properties of rare-earth Î²-enaminoketone metallomesogens. Liquid Crystals, 1996, 20, 489-492.	0.9	36
50	Chemical engineering of donorâ€“acceptor liquid crystalline dyads and triads for the controlled nanostructuration of organic semiconductors. CrystEngComm, 2016, 18, 4787-4798.	1.3	36
51	Ferrocene-Containing Thermotropic Side-Chain Liquid-Crystalline Polymethacrylate from a Mesomorphic Trisubstituted Ferrocene Monomer. Macromolecules, 1997, 30, 3759-3765.	2.2	35
52	Ferrocene-Containing Thermotropic Side-Chain Liquid-Crystalline Polysiloxanes. Macromolecules, 1998, 31, 5647-5654.	2.2	35
53	Smectic Liquid Crystals from Supramolecular Guanidinium Alkanesulfonatesâ€. Journal of the American Chemical Society, 2005, 127, 9053-9061.	6.6	35
54	Structural study of columnar liquid-crystalline phases in homologousseries of tetrapalladium organyls. Journal of Materials Chemistry, 1997, 7, 1363.	6.7	34

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55	Rectangular to hexagonal columnar phase transition exhibited by a biforked mesogen. European Physical Journal E, 2003, 10, 143-151.	0.7	34
56	Influence of polymorphism on charge transport properties in isomers of fluorenone-based liquid crystalline semiconductors. Chemical Communications, 2012, 48, 3209.	2.2	33
57	X-ray and magnetic birefringence studies of some lanthanide metallomesogens with Schiff's base ligands. Liquid Crystals, 1996, 20, 831-833.	0.9	32
58	Heterolithic azobenzene-containing supermolecular tripedal liquid crystals self-organizing into highly segregated bilayered smectic phases. Journal of Materials Chemistry, 2012, 22, 18614.	6.7	32
59	Star-shaped triphenylene discotic liquid crystalline oligomers and their hydrogen-bonded supramolecular complexes with simple acids. Journal of Materials Chemistry C, 2015, 3, 11735-11746.	2.7	32
60	High Photothermal Activity within Neutral Nickel Dithiolene Complexes Derived from Imidazolium-Based Ionic Liquids. Inorganic Chemistry, 2016, 55, 1296-1303.	1.9	32
61	Face-on orientation of fluorinated polymers conveyed by long alkyl chains: a prerequisite for high photovoltaic performances. Journal of Materials Chemistry A, 2018, 6, 12038-12045.	5.2	32
62	Mesomorphic N-alkylpyridinium dodecylsulphates. Liquid Crystals, 1995, 19, 301-305.	0.9	31
63	Structure and photoconductive behaviour of a sanidic liquid crystal. Liquid Crystals, 2000, 27, 321-328.	0.9	31
64	Dimerization of Dendrimeric Lanthanide Complexes: Thermodynamic, Thermal, and Liquid-Crystalline Properties. Inorganic Chemistry, 2010, 49, 8601-8619.	1.9	31
65	Mesomorphic behaviour and luminescent properties of mesogenic -diketonate lanthanide adducts with 5,5â€²-di(heptadecyl)-2,2â€²-bipyridine. Liquid Crystals, 2013, 40, 857-863.	0.9	31
66	A charge neutral iron(<scp>ii</scp>) complex with an above room temperature spin crossover (SCO) and hysteresis loop. Journal of Materials Chemistry C, 2015, 3, 11635-11644.	2.7	31
67	Design of Janus triphenylene mesogens: Facile synthesis, mesomorphism, photoluminescence, and semiconductivity. Dyes and Pigments, 2017, 143, 252-260.	2.0	31
68	Facile transformation of 1-aryltriphenylenes into dibenzo[fg,op]tetracenes by intramolecular Scholl cyclodehydrogenation: synthesis, self-assembly, and charge carrier mobility of large Ï€-extended discogens. Journal of Materials Chemistry C, 2017, 5, 669-682.	2.7	31
69	Influence of Lewis Bases on the Mesogenic and Luminescent Properties of Homogeneous Films of Europium(III) Tris(Î²â€diketonate) Adducts. European Journal of Inorganic Chemistry, 2017, 2017, 639-645.	1.0	31
70	Roomâ€Temperature Columnar Mesophases in Triazineâ€“Gold Thiolate Metalâ€“Organic Supramolecular Aggregates. Chemistry - A European Journal, 2013, 19, 5988-5995.	1.7	30
71	Self-assembly and liquid-crystalline supramolecular organizations of semifluorinated block co-dendritic supermolecules. New Journal of Chemistry, 2012, 36, 452-468.	1.4	29
72	Hostâ€“Guest Complexation of [60]Fullerenes and Porphyrins Enabled by â€œClick Chemistryâ€• Chemistry - A European Journal, 2013, 19, 11374-11381.	1.7	28

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73	Molecular design of benzothienobenzothiophene-cored columnar mesogens: facile synthesis, mesomorphism, and charge carrier mobility. Journal of Materials Chemistry C, 2018, 6, 4471-4478.	2.7	28
74	Synthesis of benzothiadiazole-based molecules via direct arylation: an eco-friendly way of obtaining small semi-conducting organic molecules. New Journal of Chemistry, 2016, 40, 7326-7337.	1.4	27
75	Bi-stable spin-crossover characteristics of a highly distorted [Fe(1-BPP-COOC₂H₅)₂](ClO₄)₂Â·CH₃CN complex. Dalton Transactions, 2019, 48, 3825-3830.	3.6	27
76	Morphology-driven absorption and emission colour changes in liquid-crystalline, cyclometallated platinum(<scp>ii</scp>) complexes. Chemical Communications, 2014, 50, 14191-14193.	2.2	26
77	Discogens Possessing Aryl Side Groups Synthesized by Suzuki Coupling of Triphenylene Triflates and Their Selfâ€Organization Behavior. European Journal of Organic Chemistry, 2016, 2016, 2802-2814.	1.2	26
78	Benzothiadiazole Halogenation Impact in Conjugated Polymers, a Comprehensive Study. Macromolecules, 2019, 52, 8006-8016.	2.2	26
79	Single Etherâ€Based Side Chains in Conjugated Polymers: Toward Power Factors of 2.9ÂmW m^{â^'1} K^{â^'2}. Advanced Energy Materials, 2022, 12, 2103049.	10.2	26
80	Influence of linear and branched perfluoroalkylated side chains on the Ï€â€“Ï€ stacking behaviour of hexa-peri-hexabenzocoronene and thermotropic properties. Supramolecular Chemistry, 2014, 26, 125-137.	1.5	25
81	Synthesis and mesomorphic properties of liquid crystals containing a perfluorinated segment via different linkers. Journal of Fluorine Chemistry, 2017, 197, 15-23.	0.9	25
82	Boardâ€like Fusedâ€Thiophene Liquid Crystals and their Benzene Analogs: Facile Synthesis, Selfâ€Assembly, pâ€Type Semiconductivity, and Photoluminescence. Chemistry - an Asian Journal, 2019, 14, 462-470.	1.7	25
83	On the Impact of Linear Siloxanated Side Chains on the Molecular Selfâ€Assembling and Charge Transport Properties of Conjugated Polymers. Advanced Functional Materials, 2021, 31, 2007734.	7.8	25
84	1,3-Disubstituted ferrocene-containing thermotropic liquid crystals of form (? 5-C5H5)Fe[(?) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	6.7	24
85	Tilt Angle Variation as a Function of Chain Length and Temperature in the Smectic C Phases of p, Alkoxyphenyl-p, Alkoxybenzoates. Molecular Crystals and Liquid Crystals, 1995, 268, 21-43.	0.3	24
86	Chromonicâ€Like Physical Luminescent Gels Formed by Ionic Octahedral Iridium(III) Complexes in Diluted Water Solutions. Advanced Optical Materials, 2013, 1, 844-854.	3.6	24
87	Dendronized Polymers with Silver and Mercury Cations Recognition: Complexation Studies and Polyelectrolyte Behavior. Macromolecules, 2013, 46, 7075-7085.	2.2	24
88	Charge carrier mobility study of a mesogenic thienothiophene derivative in bulk and thin films. Organic Electronics, 2014, 15, 943-953.	1.4	24
89	Enhanced organic solar cells efficiency through electronic and electro-optic effects resulting from charge transfers in polymer hole transport blends. Journal of Materials Chemistry A, 2016, 4, 4252-4263.	5.2	24
90	A convenient method for preparing rigid-core ionic liquid crystals. Beilstein Journal of Organic Chemistry, 2009, 5, 51.	1.3	23

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91	Iron oxide nanoparticle-containing main-chain liquid crystalline elastomer: towards soft magnetoactive networks. Journal of Materials Chemistry, 2011, 21, 8994.	6.7	23
92	Thermal Behavior and High- and Low-Temperature Phase Structures of Gemini Fluorocarbon/Hydrocarbon Diblocks. Langmuir, 2013, 29, 5325-5336.	1.6	23
93	On the mesomorphism of lanthanum (III) alkanoates. Liquid Crystals, 1999, 26, 1717-1721.	0.9	22
94	Long alkyl chain dimethylammonioalkoxydicyanoethenolates as new zwitterionic thermotropic liquid crystals. Liquid Crystals, 1999, 26, 973-984.	0.9	22
95	1-(4-Alkyloxybenzyl)-3-methyl-1H-imidazol-3-ium organic backbone: A versatile smectogenic moiety. Beilstein Journal of Organic Chemistry, 2009, 5, 62.	1.3	22
96	Controlled polarized luminescence of smectic lanthanide complexes. Dyes and Pigments, 2018, 148, 492-500.	2.0	22
97	A Strongly Emitting Liquidâ€Crystalline Derivative of Y₃N@C₈₀: Bright and Longâ€Lived Nearâ€IR Luminescence from a Charge Transfer State. Angewandte Chemie - International Edition, 2013, 52, 12303-12307.	7.2	21
98	Mesogenic, Luminescence, and Nonlinear Optical Properties of New Bipyrimidine-Based Multifunctional Octupoles. Journal of Physical Chemistry C, 2015, 119, 3697-3710.	1.5	21
99	Optical spin-state polarization in a binuclear europium complex towards molecule-based coherent light-spin interfaces. Nature Communications, 2021, 12, 2152.	5.8	21
100	Ferrocene-containing thermotropic side-chain liquid-crystalline polymethacrylates. Chemical Communications, 1996, , 439.	2.2	20
101	Luminescence modulation in liquid crystalline phases containing a dispiro[fluorene-9,11â€²-indeno[1,2-b]fluorene-12â€²,9â€²â€²-fluorene] core. Journal of Materials Chemistry C, 2014, 2, 4265-4275.	2.1	20
102	LUMO's modulation by electron withdrawing unit modification in amorphous TAT dumbbell-shaped molecules. Journal of Materials Chemistry A, 2015, 3, 6620-6628.	5.2	20
103	Towards ionic liquids with tailored magnetic properties: bmim⁺ salts of ferro- and antiferromagnetic CuII3 triangles. Dalton Transactions, 2017, 46, 12263-12273.	1.6	20
104	Synthesis and characterization of crystalline poly(ethyleneimine)s with mesogenic side chains forming liquid crystals on quaternization. Macromolecular Chemistry and Physics, 1994, 195, 1199-1212.	1.1	19
105	Relationships between the Crystalline and the Smectic C Structures of a Biforked Mesogen. Chemistry of Materials, 1995, 7, 2252-2258.	3.2	19
106	Mesomorphism and Shape-Memory Behavior of Main-Chain Liquid-Crystalline Co-Elastomers: Modulation by the Chemical Composition. Macromolecules, 2014, 47, 5198-5210.	2.2	19
107	Isocyano-Triphenylene Complexes of Gold, Copper, Silver, and Platinum. Coordination Features and Mesomorphic Behavior. Crystal Growth and Design, 2016, 16, 6984-6991.	1.4	19
108	Triphenylene-Imidazolium Salts and Their NHC Metal Complexes, Materials with Segregated Multicolumnar Mesophases. Inorganic Chemistry, 2018, 57, 4359-4369.	1.9	19

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109	[4]Cyclo-N-alkyl-2,7-carbazoles: Influence of the Alkyl Chain Length on the Structural, Electronic, and Charge Transport Properties. Journal of the American Chemical Society, 2021, 143, 8804-8820.	6.6	19
110	Synthesis of liquid-crystalline oligotriacetylene derivatives. Chemical Communications, 1997, , 1233-1234.	2.2	18
111	Structural Characterization of the Mesophases Exhibited by Dicopper and Diruthenium Trialkyloxybenzoates. Molecular Crystals and Liquid Crystals, 1999, 330, 213-220.	0.3	18
112	Supramolecular architecture elucidation of the room temperature columnar mesophases exhibited by mixed-valent diruthenium alkoxybenzoates. Journal of Materials Chemistry, 2009, 19, 4981.	6.7	18
113	Nematic self-organization of regioselectively polyfunctionalized [60]fullerene. Journal of Materials Chemistry, 2011, 21, 9121.	6.7	18
114	Zipper-like molecular packing of donorâ€“acceptor conjugated co-oligomers based on perylenediimide. Journal of Materials Chemistry C, 2015, 3, 3342-3349.	2.7	18
115	Modulation of the Electronic and Mesomorphic Properties of Alkynylâ€“Spirobifluorene Compounds as a Function of the Substitution Pattern. Journal of Physical Chemistry C, 2015, 119, 10564-10575.	1.5	18
116	The influence of lateral fluorination and cyanation on the mesomorphism of polycatenar mesogens and the nature of the SmC phase therein. RSC Advances, 2015, 5, 75149-75159.	1.7	18
117	Anisotropic, Organic Ionic Plastic Crystal Mesophases from Persubstituted Imidazolium Pentacyanocyclopentadienide Salts. Chemistry of Materials, 2019, 31, 9593-9603.	3.2	18
118	The synthesis, mesomorphism and mesophase structure of anisotropic imines and their complexes with rhenium(i). Journal of Materials Chemistry, 2000, 10, 637-644.	6.7	17
119	A convenient synthesis of a 2,7-difunctional tetra(alkoxy)triphenylene involving 4,4â€²-diacetoxy-3,3â€²-dialkoxybiphenyl as a key precursor and its conversion to extended hybrid mesogenic compounds. Liquid Crystals, 2013, 40, 1121-1134.	0.9	17
120	Spin-crossover, mesomorphic and thermoelectrical properties of cobalt(<scp>ii</scp>) complexes with alkylated N₃-Schiff bases. Journal of Materials Chemistry C, 2015, 3, 2491-2499.	2.7	17
121	Green-blue light-emitting platinum(<scp>ii</scp>) complexes of cyclometallated 4,6-difluoro-1,3-dipyridylbenzenes showing mesophase organisation. Journal of Materials Chemistry C, 2015, 3, 10177-10187.	2.7	17
122	Structureâ€“charge transfer property relationship in self-assembled discotic liquid-crystalline donorâ€“acceptor dyad and triad thin films. RSC Advances, 2016, 6, 57811-57819.	1.7	17
123	Incorporation of spirobifluorene regioisomers in electron-donating molecular systems for organic solar cells. RSC Advances, 2016, 6, 25952-25959.	1.7	17
124	Improved structural order by side-chain engineering of organic small molecules for photovoltaic applications. Journal of Materials Chemistry C, 2017, 5, 10794-10800.	2.7	17
125	Modulating the Physical and Electronic Properties over Positional Isomerism: The Dispirofluoreneâ€“Dihydroindacenodithiophene (DSFâ€DT) Family. Chemistry - A European Journal, 2017, 23, 17290-17303.	1.7	17
126	Micelle Formation in Langmuir Films of C60Derivatives. Langmuir, 2002, 18, 2908-2913.	1.6	16

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127	Synthesis of Hydrophobic Carbohydrate Polymers and Their Formation of Thermotropic Liquid Crystalline Phases. ACS Macro Letters, 2014, 3, 359-363.	2.3	16
128	Bi-stable spin-crossover in charge-neutral [Fe(R-ptp)₂] (ptp =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (2-(1H-p 1022-1031.	1.6	16
129	Copper(I) complexes with remotely functionalized phosphine ligands: Synthesis, structural variety, photophysics and effect onto the optical properties. Inorganica Chimica Acta, 2021, 514, 119971.	1.2	16
130	Green and controlled synthesis of short diol oligomers from polyhydroxyalkanoate to develop fully biobased thermoplastics. European Polymer Journal, 2021, 153, 110531.	2.6	16
131	Enhanced Lightâ€“Matter Interaction and Polariton Relaxation by the Control of Molecular Orientation. Advanced Optical Materials, 2021, 9, 2101048.	3.6	16
132	Molecular Engineering of Mesomorphic Fluorene-Bridged Triphenylene Triads: Thermotropic Nematic/Columnar Mesophases, and p-Type Semiconducting Behavior. Crystal Growth and Design, 2018, 18, 4296-4305.	1.4	15
133	Structural Insights into Hysteretic Spinâ€Crossover in a Set of	1.7	15
134	Lyotropic Behavior of Diruthenium(II,III) Alkoxybenzoates in Dodecane. Langmuir, 2002, 18, 10116-10121.	1.6	14
135	New chiral discotics with helical organization of the mesophaseâ€"liquid crystalline derivatives of dibenzotetraaza[14]annulene. Tetrahedron, 2012, 68, 3875-3884.	1.0	14
136	N-Cyanoimine as an electron-withdrawing functional group for organic semiconductors: example of dihydroindacenodithiophene positional isomers. Journal of Materials Chemistry C, 2018, 6, 13197-13210.	2.7	14
137	Iron Stearate Structures: An Original Tool for Nanoparticles Design. Inorganic Chemistry, 2021, 60, 12445-12456.	1.9	14
138	Electricâ€Fieldâ€Induced Reversible Viscosity Change in a Columnar Liquid Crystal. ChemPhysChem, 2010, 11, 3596-3598.	1.0	13
139	Control of the transition temperatures of metallomesogens by specific interface design: application to Mn12 single molecule magnets. Dalton Transactions, 2011, 40, 12028.	1.6	13
140	H-bonded adducts of [2,4,6-{(C₁₀H₂₁O)₃C₆H₂NH}₃C₃N₃ with [LnM{PPh₂(C₆H₄CO₂H)}] displaying Columnar Mesophases at Room Temperature. Inorganic Chemistry, 2014, 53, 10893-10902.	1.9	13
141	Symmetric bent-shaped liquid crystal dimers showing transitions between optically uniaxial and biaxial smectic phases. Liquid Crystals, 2015, 42, 1013-1023.	0.9	13
142	Bolaamphiphilic liquid crystals based on bis-imidazolium cations. New Journal of Chemistry, 2017, 41, 2604-2613.	1.4	13
143	Liquid-Crystalline Tris[60]fullerodendrimers. Journal of Organic Chemistry, 2018, 83, 3208-3219.	1.7	13
144	A solvent-free and vacuum-free melt-processing method to fabricate organic semiconducting layers with large crystal size for organic electronic applications. Journal of Materials Chemistry C, 2019, 7, 3190-3198.	2.7	13

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145	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donorâ€“Acceptor Arrays. Angewandte Chemie - International Edition, 2021, 60, 8419-8424.	7.2	13
146	A new class of nanostructured supramolecular organic semiconductors based on intertwined multi-lamellar co-assemblies in Ï€-conjugated liquid-crystalline side-chain polymers. Polymer Journal, 2017, 49, 31-39.	1.3	12
147	ITOâ€Free Organic Photovoltaic Modules Based on Fluorinated Polymers Deposited from Nonâ€Halogenated Solution: A Major Step Toward Largeâ€Scale Module Production. Solar Rrl, 2019, 3, 1900273.	3.1	12
148	Structural Study of the Nematic and Hexagonal Columnar Phases of Wire Shaped Self Assemblies of Thermotropic Mesogens. Journal De Physique II, 1995, 5, 1617-1634.	0.9	11
149	Synthesis and characterization of luminescent tricationic salts of mesitylene and stilbazolium moieties. Journal of Molecular Structure, 2012, 1019, 174-182.	1.8	11
150	Design, Synthesis, and Selfâ€Assembly Behavior of Liquidâ€Crystalline Bisâ€[60]Fullerodendrimers. Chemistry - A European Journal, 2016, 22, 17366-17376.	1.7	11
151	Liquid crystal ionic self-assembly and anion-selective photoluminescence in discotic azatriphenylenes. Journal of Materials Chemistry C, 2020, 8, 4215-4225.	2.7	11
152	Very intense polarized emission in self-assembled room temperature metallomesogens based on Zn(<scp>ii</scp>) coordination complexes: an experimental and computational study. Journal of Materials Chemistry C, 2021, 10, 115-125.	2.7	11
153	Chiralityâ€Driven Metalloâ€Copolymer Formation. European Journal of Inorganic Chemistry, 2012, 2012, 3384-3387.	1.0	10
154	Incompatibility-Driven Self-Organization in Polycatenar Liquid Crystals Bearing Both Hydrocarbon and Fluorocarbon Chains. Journal of Physical Chemistry B, 2017, 121, 8817-8828.	1.2	10
155	Methimazolium-based ionic liquid crystals: Emergence of mesomorphic properties via a sulfur motif. Tetrahedron, 2017, 73, 5456-5460.	1.0	10
156	Simultaneous Edgeâ€on to Faceâ€on Reorientation and 1D Alignment of Small Ï€â€Conjugated Molecules Using Roomâ€Temperature Mechanical Rubbing. Advanced Functional Materials, 2018, 28, 1707038.	7.8	10
157	Nonlinear Nonacenes with a Dithienothiophene Substructure: Multifunctional Compounds that Act as Columnar Mesogens, Luminophores, Ï€ Gelators, and pâ€Type Semiconductors. ChemPlusChem, 2019, 84, 1439-1448.	1.3	10
158	Bistable spin-crossover in a new series of [Fe(BPP-R)₂]²⁺ (BPP =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Tc	1.6	10
159	A facile approach for the creation of heteroionic lanthanidomesogens-containing uniform films with enhanced luminescence efficiency. Dyes and Pigments, 2021, 187, 109050.	2.0	10
160	Ferroelectric side group liquid crystalline polysiloxanes containing a chiral sulphinate derivative. Liquid Crystals, 1999, 26, 1445-1454.	0.9	9
161	Structural study of a smectic C phase of biforked molecules. Liquid Crystals, 2002, 29, 635-640.	0.9	9
162	Mesophase Semiconductors: The Alignment Control and Self-Assembling Nature for Transistor Applications. Molecular Crystals and Liquid Crystals, 2009, 509, 206/[948]-212/[954].	0.4	9

#	Article	IF	Citations
163	Implementing Liquidâ€Crystalline Properties in Singleâ€Stranded Dinuclear Lanthanide Helicates. European Journal of Inorganic Chemistry, 2013, 2013, 3323-3333.	1.0	9
164	Original polymorphism in a naphthalene bisimide Ï€-conjugated organogelator: a complex interplay between hydrogen bonding and heterocycle Ï€-stacking. Journal of Materials Chemistry C, 2019, 7, 13120-13129.	2.7	9
165	Luminescent Ionic Liquid Crystals Based on Naphthaleneâ€Imidazolium Unit. European Journal of Organic Chemistry, 2021, 2021, 2091-2098.	1.2	8
166	Modulation of the Molecular Structure of Tri-aryl Amine Fibrils in Hybrid Poly[vinyl chloride] Gel/Organogel Systems. Macromolecules, 2021, 54, 8104-8111.	2.2	8
167	The stabilization of smectic A phases in mixtures of twinned-calamitic, metal organic complexes with 2,4,7-trinitro-9-fluorenone. Liquid Crystals, 1997, 23, 51-58.	0.9	7
168	Study of the influence of ester orientation on the thermal stability of the smectic C phase: experimental investigation. Liquid Crystals, 2008, 35, 357-364.	0.9	7
169	Olefin Crossâ€Metathesis: a Versatile Synthetic Reaction for the Design of Janus Liquid Crystals. European Journal of Organic Chemistry, 2015, 2015, 6005-6010.	1.2	7
170	A robust Ti(<scp>iv</scp>)-based mesogen constructed around a TiO₄N₂ core. Dalton Transactions, 2019, 48, 1960-1963.	1.6	7
171	Playing with Pt^{II} and Zn^{II} Coordination to Obtain Luminescent Metallomesogens. Chemistry - A European Journal, 2020, 26, 4850-4860.	1.7	7
172	Mesomorphic Properties of Porphyrin Silicon(IV) Metal Complexes. Molecular Crystals and Liquid Crystals, 1999, 330, 15-22.	0.3	6
173	Unsymmetric main-chain liquid crystal elastomers with tuneable phase behaviour: synthesis and mesomorphism. Journal of Materials Chemistry, 2011, 21, 8427.	6.7	6
174	Thermotropic mesomorphism of mixed-valent diruthenium aliphatic carboxylates with axial anion bearing two aliphatic chains. Journal of Coordination Chemistry, 2013, 66, 3380-3390.	0.8	6
175	Supramolecular Arene-Ruthenium Metallacycle with Thermotropic Liquid-Crystalline Properties. Inorganic Chemistry, 2019, 58, 9505-9512.	1.9	6
176	Dipyrrolyldiketonato Titanium(IV) Complexes from Monomeric to Multinuclear Architectures: Synthesis, Stability, and Liquid-Crystal Properties. Inorganic Chemistry, 2020, 59, 12802-12816.	1.9	6
177	Efficient 3D charge transport in planar triazatruxene-based dumbbell-shaped molecules forming a bridged columnar phase. Journal of Materials Chemistry A, 0, , .	5.2	6
178	Spin-Crossover in Supramolecular Iron(II)â€“2,6-bis(1H-Pyrazol-1-yl)pyridine Complexes: Toward Spin-State Switchable Single-Molecule Junctions. ACS Omega, 2022, 7, 13654-13666.	1.6	6
179	Photo-degradation in bulk heterojunction organic solar cells using a fullerene or a non-fullerene derivative electron acceptor. Organic Electronics, 2022, 107, 106549.	1.4	6
180	Mesomorphic properties of a tetraphenylporphyrin metallomesogen with a weak hydrogen bond interaction between axial ligands: dihydroxo[5,10,15,20-tetrakis(4-n-dodecylphenyl)porphinato]silicon(IV). Liquid Crystals, 2004, 31, 101-108.	0.9	5

#	Article	IF	Citations
181	Using pyridal[2,1,3]thiadiazole as an acceptor unit in a low band-gap copolymer for photovoltaic applications. Organic Electronics, 2015, 23, 171-178.	1.4	5
182	Synthesis and thermotropic behaviour of bis(imidazolium) salts bearing long-chain alkyl-substituents and of the corresponding dinuclear gold carbene complexes. Journal of Organometallic Chemistry, 2016, 801, 60-67.	0.8	5
183	Natural Hyperbolic Dispersion with Anisotropic Epsilonâ€Nearâ€Zero and Epsilonâ€Nearâ€Pole in Squaraine Molecular Film. Advanced Optical Materials, 2021, 9, 2101091.	3.6	5
184	Dicationic stilbazolium salts: Structural, thermal, optical, and ionic conduction properties. Journal of Molecular Liquids, 2021, 341, 117311.	2.3	5
185	Effect of the electron donating group on the excited-state electronic nature and epsilon-near-zero properties of curcuminoid-borondifluoride dyes. RSC Advances, 2021, 11, 38247-38257.	1.7	5
186	A Confinementâ€Driven Nucleation Mechanism of Metal Oxide Nanoparticles Obtained via Thermal Decomposition in Organic Media. Small, 2022, 18, e2200414.	5.2	5
187	Preliminary in situ X-ray diffraction measurements of UV-induced photomechanical effects in a mesogenic material. Liquid Crystals, 2002, 29, 479-482.	0.9	4
188	Heterogeneous microwave-assisted Ullmann type methodology for synthesis of rigid-core ionic liquid crystals. New Journal of Chemistry, 2018, 42, 10421-10431.	1.4	4
189	Thermotropic Liquid-Crystalline and Light-Emitting Properties of Poly(pyridinium) Salts Containing Various Diamine Connectors and Hydrophilic Macrocounterions. Polymers, 2019, 11, 851.	2.0	4
190	2-Phenylbenzothiophene-based liquid crystalline semiconductors. Dyes and Pigments, 2020, 173, 107964.	2.0	4
191	Spatially Addressed Supramolecular Nanowires: A Full Structural Characterization by GIWAXS. ACS Applied Polymer Materials, 2021, 3, 661-670.	2.0	4
192	Modified pyridineâ€“triazole and 2,2â€²-bipyrimidine ligands generating robust titanium complexes constructed around a TiO₄N₂ core. Dalton Transactions, 2021, 50, 17008-17022.	1.6	4
193	Functionalization of Biphenylcarbazole (CBP) with Siloxane-Hybrid Chains for Solvent-Free Liquid Materials. Molecules, 2022, 27, 89.	1.7	4
194	Triphenylene-ethylammonium tetrachlorometallate salts: multicolumnar mesophases, thermochromism and Langmuir films. Journal of Materials Chemistry C, 2022, 10, 9222-9231.	2.7	4
195	How Halogenation Impacts the Polymer Backbone Conformation: Learning from Combination of Solidâ€State MAS NMR and Xâ€Ray Scattering. Advanced Functional Materials, 2022, 32, .	7.8	4
196	Dilatometric Studies of Liquid Crystalline Sodium and Rubidium Dihexadecylphosphate. Molecular Crystals and Liquid Crystals, 1999, 326, 49-54.	0.3	3
197	Luminescent imidazoliumâ€“naphthalene salts in liquid and solid states. New Journal of Chemistry, 2019, 43, 12529-12532.	1.4	3
198	Synthesis of alternating metallocopolymers by chiral recognition. Chirality, 2019, 31, 903-909.	1.3	3

#	Article	IF	Citations
199	Gel-to-gel non-variant transition of an organogel caused by polymorphism from nanotubes to crystallites. Soft Matter, 2021, 17, 4386-4394.	1.2	3
200	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donorâ€“Acceptor Arrays. Angewandte Chemie, 2021, 133, 8500-8505.	1.6	3
201	Regioisomers of Organic Semiconducting Dumbbellâ€Shaped Molecules: Synthesis and Structureâ€Properties Relationship. European Journal of Organic Chemistry, 2021, 2021, 3170-3177.	1.2	3
202	Iron Oxide/Polymer Coreâ€“Shell Nanomaterials with Star-like Behavior. Nanomaterials, 2021, 11, 2453.	1.9	3
203	Organic dyads and triads based on the triphenylene-rylenediimide couple: Molecular design, self-organization, and photo-physical properties. Dyes and Pigments, 2022, 197, 109911.	2.0	3
204	Langmuir Films of N-Alkylpyridinium Alkylsulphates. Molecular Crystals and Liquid Crystals, 1999, 330, 151-158.	0.3	2
205	Diethynylbenzene-Based Liquid Crystalline Semiconductor for Solution-Processable Organic Thin-Film Transistors. Journal of Nanoscience and Nanotechnology, 2010, 10, 6800-6804.	0.9	2
206	Phthalocyanine-based dumbbell-shaped molecule: Synthesis, structure and charge transport studies. Dyes and Pigments, 2018, 154, 282-289.	2.0	2
207	Spin-crossover in iron(II)-phenylene ethynylene-2,6-di(pyrazol-1-yl) pyridine hybrids: toward switchable molecular wire-like architectures. Journal of Physics Condensed Matter, 2020, 32, 204002.	0.7	2
208	Dispiroacridine-indacenobisthiophene positional isomers: impact of the bridge on the physicochemical properties. Materials Chemistry Frontiers, 2022, 6, 225-236.	3.2	2
209	Liquid Crystalline Behavior of Racemic Azobenzene Derivatives. Molecular Crystals and Liquid Crystals, 1992, 213, 145-151.	0.3	1
210	Mesophase semiconductors and the field effect transistors. , 2007, , .		1
211	Comparative analysis of self-aggregation of liquid crystalline Pt(II) complexes in solution and in neat films. Journal of Organometallic Chemistry, 2021, 938, 121750.	0.8	1
212	Cover Feature: Structural Insights into Hysteretic Spinâ€Crossover in a Set of Journal, 2022, 28, .	1.7	1
213	Mesomorphic structure peculiarities of two mix-substituted phthalocyanines of the A3B type. Liquid Crystals, 2018, 45, 625-633.	0.9	0
214	Mesophase semiconductors: design for 3D-mesophases with effective paths for electronic charge hopping. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C32-C32.	0.3	0
215	‹title›Phase behavior of some homologous tetrapalladium organyls in pentadecane‹/title›. , 1998, , .		0
216	A magnetocaloric glass from an ionicâ€liquid gadolinium complex. ChemPhysChem, 2022, , .	1.0	0

#	Article	IF	Citations
217	Cover Feature: A Magnetocaloric Glass from an Ionicâ€Liquid Gadolinium Complex (ChemPhysChem) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	0